

UNITED STATES COAST AND GEODETIC SURVEY,

OFFICE OF WEIGHTS AND MEASURES,

WASHINGTON, D. C.,

3^d March, 1890.

Prof T. C. Neudeahall
Superintendent

Sir:

Concerning the subsidiary metric weights furnished to the Mint Bureau (8th Feb 1890 file nos 2158-2170) which were returned to his office for readjustment, I beg leave to report that the want of agreement between their actual and assigned values was due to an error in the 2 decigramme weight.

The original adjustments were all carefully made and have been verified, with that one exception, by reweighing.

The error resulted from the fact that the 2 decigramme weight was not compared with the standard of that denomination, but with a similar piece of wire substituted in the standards box, a substitution of which no record has been found, but which doubtless occurred before the change in the personnel which was recently caused by the resignation of the

their values are as given below:

Ther. 23°

Bar 758.5

Designation

Grammes

Gramme

mg.

1.	=	1.	+ .038
.4	=	.4	- .005
.3	=	.3	- .005
.2	=	.2	+ .005
.1	=	.1	+ .005
.04	=	.04	- .013
.03	=	.03	- .009
.02	=	.02	+ .007
.01	=	.01	+ .006
.004	=	.004	+ .006
.003	=	.003	- .004
.002	=	.002	+ .011
.001	=	.001	- .010
.0005	=	.0005	+ .002

Yours very respectfully
 T. C. Mendenhall
 Superintendent

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No.	DIRECTOR MINT.
66296	REG. MAR 5 1890

U.S. Coast & Geodetic Survey
Office of Weights & Measures
March 3, 1890

F. B. Mendenhall
Super

Returning metric weights
for Phila Mint, more closely
adjusted, and Enc report of
Ass't charged with adjustment, &c

TREASURY DEPARTMENT,
BUREAU OF THE MINT,
MARCH 5TH, 1890.

P
RESPECTFULLY REFERRED TO THE SUPER-
INTENDENT OF THE U.S. MINT AT PHILA-
DELPHIA; THE WEIGHTS WITHIN NAMED
HAVING BEEN FORWARDED BY EXPRESS TO-
DAY.

ED. LEWIS
DIRECTOR.

MAR 8 1890

[Abstract:] Returning metric weights for Phila. Mint, more closely adjusted, and enc. report of Asst. charged with adjustments.

United States Coast and Geodetic Survey,
Office of Weights and Measures,
Washington, D.C., March 3, 1890.

Prof. T.C. Meudeuhall
Superintendent

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.1	=	.1	+ .005
.04	=	.04	- .013
.03	=	.03	- .009
.02	=	.02	- .007
.01	=	.01	- .006
.004	=	.004	- .006
.003	=	.003	- .004
.002	=	.002	+ .011
.001	=	.001	- .010
.0005	=	.0005	+ .002

Yours very respectfully
T.C. Mendeuhall
Superintendent

[Typed note on back:]

Treasury Department,
Bureau of the Mint,
March 5, 1890.

Respectfully referred to the Superintendent of the U.S. Mint at Philadelphia; the weights within named having been forwarded by express today.

E.O. Leech
Director.